Importing the .def file into Virtuoso
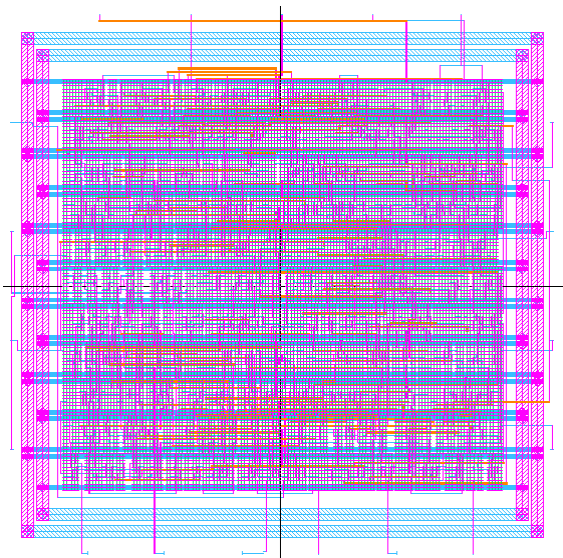
Read DEF File into CellView

OK	Cancel	Defaults	Apply	Help

Library Name   vlsi2

Cell Name   arbiter

View Name   autoRouted

Use ☐   Ref. Library Names

Browse

DEF File Name   arbiter.def

Map Names From   DEF

Startup Name Mapping   ☐

Target P&R Engine   ◇ Gate Ensemble ◆ Silicon Ensemble

Sections to Read
- ■ All
- ■ Nets
- ■ Groups
- ■ Components
- ■ Special Nets
- ■ Floorplan
- ■ Constraint

Use the
File →Import → Def
menu option to import
the .def file from SE
into Virtuoso.

Specify view as
'autoRouted', target
P&R engine as 'SE'.

There will be some
warnings during the
import, ignore them.

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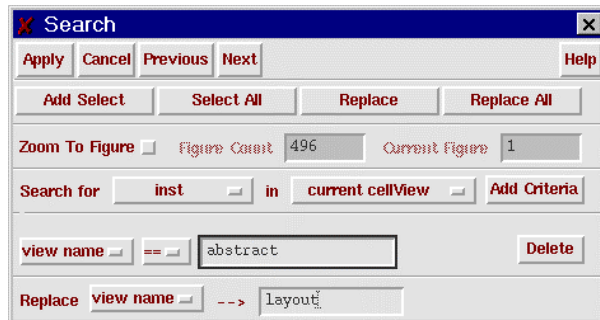Imported design will
use the 'abstract'
view for all leafcells.

We need to change
all 'abstract' views to
'layout' views.

First, open the
'autoRouted' view,
then use
Tools →Layout
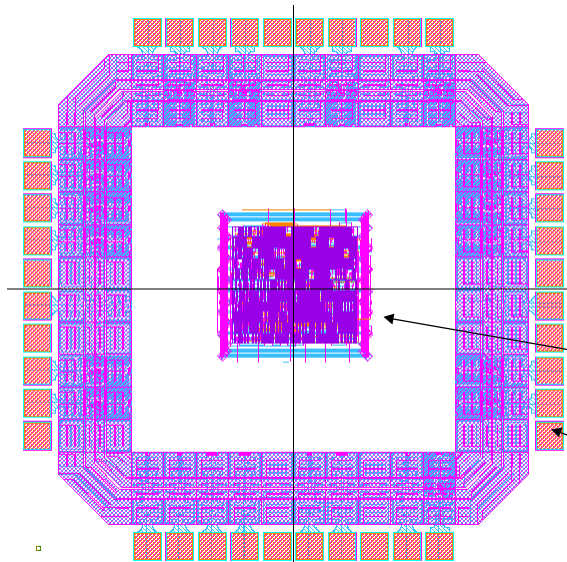
to change to the
Layout tool.

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Replace 'abstract' views with 'layout' views

Use the Edit →Search command to bring up the Search menu. Search for all instances with view name = 'abstract' (Use *add criteria* to add search criterial, use *apply* button to do search.). Then use *Replace All* to change all view names to 'layout'. Save the modified design as 'layout' view.

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Then place your core into a padframe of your construction and handroute core to pads.

Core

Manually created padframe.

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Cadence files for HP05 Pads supplied by Tanner

- Look at the WWW page under the Cadence file information for a compressed tar file of the HP05 Tanner pads imported into Cadence
- If you wish, you can import the .CIF file of the pads yourself
  - The WWW class page has the needed files, instructions to do this.